Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/12/2018 09:52 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126202	0	1.56	126022	1.54
Blue	F	SSC	125000	122072	-3	3.37	122361	3.14
Blue	E	FITC	23615	22838	-4	2.67	1020	10.35
Blue	D	PE	26739	26507	-1	2.14	953	10.46
Blue	B	PerCP-Cy5-5	48339	47535	-2	3.64	1369	17.62
Blue	A	PE-Cy7	45021	44742	-1	5.42	695	36.42
Red	C	APC	53064	52124	-2	2.80	2981	9.61
Red	A	APC-Cy7	57175	56007	-3	2.77	1178	11.35
Violet	B	V450	14728	13986	-6	4.13	670	9.62
Violet	A	V500	58621	57254	-3	4.05	2538	6.59

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19685	2.69	613	-1	N/A	N/A	Pass
Blue	F	SSC	60515	1.53	557	11	N/A	N/A	Pass
Blue	E	FITC	114	38.37	548	0	0.0203	107	Pass
Blue	D	PE	208	29.65	540	4	0.1324	182	Pass
Blue	B	PerCP-Cy5-5	213	47.56	639	4	0.0093	121	Pass
Blue	A	PE-Cy7	72	129.04	697	4	0.0113	22	Pass
Red	C	APC	343	28.84	598	1	0.0199	98	Pass
Red	A	APC-Cy7	128	40.43	580	0	0.0052	1466	Pass
Violet	B	V450	82	44.66	461	-9	0.0387	1837	Pass
Violet	A	V500	185	23.79	489	-8	0.0146	706	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.66	-31.18	0.99
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.35
Red	17.43	14.40 - 21.60	N/A	N/A	30.81	31.28	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10287

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments